

Recombinant Rat IL1A/IL-1F1 protein (His tag)

Catalog Number: PDER100082



Note: Centrifuge before opening to ensure complete recovery of vial contents.

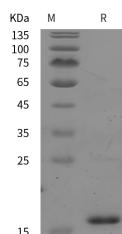
Description

Synonyms	BAF;Hematopoietin-1;IL1 alpha;IL-1 alpha;IL1;IL1A;IL-1A;IL1-ALPHA;IL1F1;IL-1F1;IL1F1hematopoietin-1;interleukin 1;alpha;interleukin-1 alpha;LAF;LEM;preinterleukin 1 alpha;pro-interleukin-1-alpha
Species	Rat
Expression Host	E.coli
Sequence	Ser 115-Ser 270
Accession	P16598
Calculated Molecular Weight	17.1 kDa
Observed molecular weight	16 kDa
Tag	N-His

Properties

Purity	> 95 % as determined by reducing SDS-PAGE.
Endotoxin	Please contact us for more information.
Storage	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
Shipping	This product is provided as lyophilized powder which is shipped with ice packs.
Formulation	Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

IL-1 alpha (Interleukin-1 alpha) is a cytokine that is induced during microbial exposure and promotes the release of multiple inflammatory mediators and acute phase proteins. It also supports hematopoietic stem cell expansion, promotes neutrophil mobilization from the bone marrow, and promotes osteoclast formation. IL-1 alpha signals through a receptor complex composed of IL-1 RI and IL-1 RAcP. It also binds the decoy receptor IL-1 RII which associates with IL-1 RAcP but does not transduce signaling.

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